

17/C
11-27-02

PATENTS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Krivitski, Nikolai M.

Atty. Docket: 86017.000012

Serial No.: 09/241,455

Examiner: B. Szmal

Filed: February 2, 1999

Art Unit: 3736

Title: METHOD AND APPARATUS FOR DETERMINING A BLOOD FLOW
DURING VASCULAR ACCESS DYSFUNCTION CORRECTIVE
PROCEDURESAMENDMENT AFTER FINAL REJECTIONCommissioner of Patents and Trademarks
Washington, D.C. 20231

Sir:

In response to the final Office Action mailed September 7, 2001, please consider the above referenced application amended as follows:

In the Specification:

Please replace the paragraph spanning page 16, line 17 to page 17, line 2, with:

For example, in measuring hemodialysis vascular access flow, the controller 60 measures the access flow by monitoring the passage of completely mixed indicator in the blood. Referring to Figure 7, the concentration curve resulting from the introduction and mixing of the indicator is recorded by the sensor. Access flow, AF, is then calculated according to:

$$AF = \frac{V}{\int C(t) dt}$$

where V is the volume of indicator introduced, $\int C(t) dt$ is the area under the dilution curve that is equal to the average concentration of the indicator in the flow for the duration of the curve multiplied by the duration of the dilution curve.